

EXECUTIVE SUMMARY

Prepared April 17, 2002

Mine Name: Brown's Canyon Mine
Operator: Mountain Valley Stone, Inc.
2276 South Daniels Road
P.O. Box 985
Heber, Utah 84032
Telephone: (435) 654-0120
Contact Person: Robert Hicken

I.D. No.: M/043/019
County: Summit
New/Existing: Existing Small mine expanding to Large Mine
Mineral Ownership: Fee
Surface Ownership: Fee
Lease No.(s): N/A
Permit Term: Life of Mine

Legal Description: Portions of the Southwest ¼ of Section 20, Township 1 South, Range 5 East, SLBM, Summit County, Utah.

Mineral(s) to be Mined: Building Stone/Sandstone.

Acres to be Disturbed: 17.45 acres.

Present Land Use: Grazing, Wildlife Habitat.

Postmining Land Use: Grazing, Wildlife Habitat.

Variances from Reclamation Standards (Rule R647) Granted: None.

Soils and Geology:

Soil Description: Soils are classified as the Ayoub-Dunford-Melling complex. These soils are a stony loam type, 10 to 20 inches thick over andesite bedrock.

pH: 7.2

Special Handling Problems: No special handling problems.

Geology Description: Jurassic-Triassic aged Nugget Sandstone. In the vicinity of this operation, the Nugget Sandstone is thickly bedded, mostly buff colored with small areas of red colored sandstone. The Nugget Sandstone strikes to the east-northeast and dips north at 75 degrees.

Hydrology:

Ground Water Description: The operation is found on a rocky hillside with very little ground water in the area. There is small seep (~5gpm) located approximately 400 feet east and upgradient of the permit area boundary. This seep is used as a water source for the employee camp of the adjacent Star Stone Quarries, Inc, Peoa Blonde Quarry. Another small seep is shown on the USGS quadrangle map approximately 800 feet southwest of the existing Brown's Canyon quarry. The adjacent Peoa Blonde Quarry is located between this seep and this project area. No impacts are anticipated from this project because it is located down-gradient from both the Peoa Blonde Quarry and the seep.

Surface Water Description: An ephemeral drainage is located to the northwest of the project. This project is will not disturb this drainage. No other surface waters exist within the proximity of this operation.

Water Monitoring Plan: None required at this time.

Ecology:

Vegetation Type(s); Dominant Species: The project is located within the mountain shrub/grass community type. Dominant plant species includes mountain big sagebrush, woods rose, rabbitbrush, and bluegrasses.

Percent Surrounding Vegetative Cover: 52% vegetation ground cover. Reclamation success standard will be 36.4%.

Wildlife Concerns: No threatened or endangered species or critical wildlife habitat exist within the project area.

Surface Facilities: There are no permanent facilities at this site. A portable rock tumbler and two guillotines are used to process quarried stone. The area is fenced and gated along public access points. Fuel is stored in a containment area with 110% capacity in case of a spill.

Mining and Reclamation Plan Summary:

During Operations:

Stone is dug from the quarry with a trackhoe. It is split by hand, cut to specific sizes with a guillotine, or tumbled, and then stacked on pallets for shipping. Waste rock material is added to the existing dumps. Occasionally, explosives will be used to loosen the rock. Explosives are kept in an explosives magazine. Topsoil will be salvaged and placed in stockpiles for final reclamation. Topsoil stockpiles will be seeded and signed to protect them from erosion and further impacts. Fuel for equipment will be stored onsite in an aboveground storage tank with secondary containment to control any potential spills.

After Operations:

All facilities and structures will be removed and all disturbed areas will be reclaimed. Trash and debris will be hauled to the county landfill. Waste dumps will be graded to a 3h:1v slope. Highwalls will be worked to maintain a stable 45-degree slope. Overburden materials will be used to reduce highwall slopes. Topsoil will be replaced to a 6-inch depth. Composted manure will be applied to all regraded areas, at rates of 5-tons/acre on areas receiving topsoil, and 10 tons/acre on overburden materials that do not receive topsoil. All areas will be ripped to a minimum depth of 1 foot. Compacted surfaces such as roads will be ripped to a 2-foot depth. The entire site will be seeded with an approved seed mix, designed to meet the post mining land use of grazing and wildlife habitat.

Surety

Amount: \$53,500.00

Form: Unknown at this time

Renewable Term: 5 years (2007 dollars)